J. Bryol. (1983) 12, 648–653

INDEX

(An asterisk indicates a new name or combination)

Abderrahman, S. and Smith, A. J. E., Studies on the cytotypes of *Atrichum undulatum* (Hedw.) P. Beauv., I, Morphology and distribution, 265; II, Chromosome length and relative DNA content, 479

Acaulon mediterraneum Limpr., 11

A. minus (Hook. & Tayl.) Jaeg. in Britain, A reassessment of, with remarks on the status of *A. mediterraneum* Limpr., M. O. Hill, 11

African hepatics, XXXIII, Some new Lejeuneaceae, E. W. Jones, 37

African mosses, 202

Allioniella Broth., 31

**Allionieliopsis* Ochyra, nom. nov., 31

**A. cryphaeoides* (Broth.) Ochyra, comb. nov., 31

Allorgea Ando, 31

Amblystegium compactum (C. Müll.) Aust., chromosomes, 236

American mosses, 149, 383, 618

**Andoa* Ochyra, nom. nov., 31

**A. berthelotiana* (Mont.) Ochyra, comb. nov., 31

Anoectangium obtusifolium (Broth. & Par.) Grout, 347

A. warburgii Crundw. & Hill, 345; axillary gemmae in, D. G. Long, 49

Anomodon rostratus (Hedw.) Schimp. (Thuidiaceae), new for the Belgian bryoflora, in the south of the Ardenne massif (Rochehaut, prov. Luxembourg, Belgium), R. Schumacker, P. De Zuttere and L. Leclerq, 171

Antarctic liverworts, Karyological studies on some, R. Ochyra, L. Przywara and E. Kuta, 259

Antheridial production in mosses grown *in vitro*, 491

Anthoceros neesii Prosk., 424

**Aphanolejeunea madeirensis* (Schiffn.) Grolle, comb. nov., 441

Archegonium with persistent ventral canal cell, 293

Archilejeunea apiculifolia St., 33

A. mariana (Gott.) St., 33

Asiatic hepatics, 33, 227, 575

Asiatic mosses, 15, 150, 487, 559, 571

Atrichum undulatum (Hedw.) P. Beauv., chromosomes, 587; Studies on the cytotypes of, S. Abderrahman and A. J. E. Smith, 265, 479

Australasian mosses, 191, 199, 209, 351, 359, 365, 541, 553

Awasthi, U. S., *see* Udar, R.

Barber, K. E., *Peat stratigraphy and climatic change, a palaeoecological test of the theory of cyclic peat bog regeneration*, review, 305

Barbilophozia hatcheri (Evans) Loeske, chromosomes, 260

Barbula cylindrica (Tayl.) Schimp. with rhizoidal tubers, L. T. Ellis and A. C. Smith, 510

B. gregaria (Mitt.) Jaeg., 491

B. tophacea (Brid.) Mitt., The occurrence of tubers on, A. G. Side, 620

Bartlett, J. K. and Frahm, J.-P., Notes on *Campylopus* and *Chorisodontium* from New Zealand, 365

Bartlett, J. K., *see also* Reese, W. D.

Birks, H. J. B., review of *Peat stratigraphy and climatic change, a palaeoecological test of the theory of cyclic peat bog regeneration* by K. E. Barber, 305

Blyth, A. W., *see* Hulme, P. D.

Brachytheciaceae, chromosome evolution in, 233

Brachythecium appleyardiae McAdam & Smith, chromosomes, 236

B. populeum (Hedw.) Br. Eur., chromosomes, 237

B. rivulare Br. Eur., chromosomes, 237

B. rutabulum (Hedw.) Br. Eur., chromosomes, 237

B. velutinum (Hedw.) Br. Eur., chromosomes, 237

Brassard, G. R. *Pseudoscleropodium purum* in Newfoundland, Canada, 618

**Bryoerythrophyllum caledonicum*, a new moss from Scotland, D. G. Long, 141

B. campylocarpum (C. Müll.) Crum, 149

B. jamesonii (Tayl.) Crum, 150

B. wallichii (Mitt.) Chen, 150

Bryum capillare Hedw., chromosomes, 236

B. coronatum Schwaegr., 491

B. formosum Mitt., 27

B. sauteri, 56

**B. srilankense* Mohamed, sp. nov., 25

J. Bryol. (1983) 12, 648–653

INDEX

(An asterisk indicates a new name or combination)

Abderrahman, S. and Smith, A. J. E., Studies on the cytotypes of *Atrichum undulatum* (Hedw.) P. Beauv., I, Morphology and distribution, 265; II, Chromosome length and relative DNA content, 479

Acaulon mediterraneum Limpr., 11

A. minus (Hook. & Tayl.) Jaeg. in Britain, A reassessment of, with remarks on the status of *A. mediterraneum* Limpr., M. O. Hill, 11

African hepatics, XXXIII, Some new Lejeuneaceae, E. W. Jones, 37

African mosses, 202

Allioniella Broth., 31

**Allionieliopsis* Ochyra, nom. nov., 31

**A. cryphaeoides* (Broth.) Ochyra, comb. nov., 31

Allorgea Ando, 31

Amblystegium compactum (C. Müll.) Aust., chromosomes, 236

American mosses, 149, 383, 618

**Andoa* Ochyra, nom. nov., 31

**A. berthelotiana* (Mont.) Ochyra, comb. nov., 31

Anoectangium obtusifolium (Broth. & Par.) Grout, 347

A. warburgii Crundw. & Hill, 345; axillary gemmae in, D. G. Long, 49

Anomodon rostratus (Hedw.) Schimp. (Thuidiaceae), new for the Belgian bryoflora, in the south of the Ardenne massif (Rochehaut, prov. Luxembourg, Belgium), R. Schumacker, P. De Zuttere and L. Leclerq, 171

Antarctic liverworts, Karyological studies on some, R. Ochyra, L. Przywara and E. Kuta, 259

Antheridial production in mosses grown *in vitro*, 491

Anthoceros neesii Prosk., 424

**Aphanolejeunea madeirensis* (Schiffn.) Grolle, comb. nov., 441

Archegonium with persistent ventral canal cell, 293

Archilejeunea apiculifolia St., 33

A. mariana (Gott.) St., 33

Asiatic hepatics, 33, 227, 575

Asiatic mosses, 15, 150, 487, 559, 571

Atrichum undulatum (Hedw.) P. Beauv., chromosomes, 587; Studies on the cytotypes of, S. Abderrahman and A. J. E. Smith, 265, 479

Australasian mosses, 191, 199, 209, 351, 359, 365, 541, 553

Awasthi, U. S., *see* Udar, R.

Barber, K. E., *Peat stratigraphy and climatic change, a palaeoecological test of the theory of cyclic peat bog regeneration*, review, 305

Barbilophozia hatcheri (Evans) Loeske, chromosomes, 260

Barbula cylindrica (Tayl.) Schimp. with rhizoidal tubers, L. T. Ellis and A. C. Smith, 510

B. gregaria (Mitt.) Jaeg., 491

B. tophacea (Brid.) Mitt., The occurrence of tubers on, A. G. Side, 620

Bartlett, J. K. and Frahm, J.-P., Notes on *Campylopus* and *Chorisodontium* from New Zealand, 365

Bartlett, J. K., *see also* Reese, W. D.

Birks, H. J. B., review of *Peat stratigraphy and climatic change, a palaeoecological test of the theory of cyclic peat bog regeneration* by K. E. Barber, 305

Blyth, A. W., *see* Hulme, P. D.

Brachytheciaceae, chromosome evolution in, 233

Brachythecium appleyardiae McAdam & Smith, chromosomes, 236

B. populeum (Hedw.) Br. Eur., chromosomes, 237

B. rivulare Br. Eur., chromosomes, 237

B. rutabulum (Hedw.) Br. Eur., chromosomes, 237

B. velutinum (Hedw.) Br. Eur., chromosomes, 237

Brassard, G. R. *Pseudoscleropodium purum* in Newfoundland, Canada, 618

**Bryoerythrophyllum caledonicum*, a new moss from Scotland, D. G. Long, 141

B. campylocarpum (C. Müll.) Crum, 149

B. jamesonii (Tayl.) Crum, 150

B. wallichii (Mitt.) Chen, 150

Bryum capillare Hedw., chromosomes, 236

B. coronatum Schwaegr., 491

B. formosum Mitt., 27

B. sauteri, 56

**B. srilankense* Mohamed, sp. nov., 25

B. wightii Mitt. and related species, M. A. H. Mohamed, 23
Bucegia romanica Radian in the Eastern Carpathians of Roumania, T. I. Stefureac, 510
Buxbaumia in Australia, including one new species, *B. thorsborneae*, I. G. Stone, 541
B. colyerae Burges, 547
B. novae-zelandiae Dix., 550
**B. thorsborneae* Stone, sp. nov., 541

Cafiero, G., *see* Castaldo-Cobianchi, R.
Calymperaceae, 209
Calymperes aongstroemii Besch., 212
C. tenerum C. Müll., 212
Calyptra development in *Fontinalis*, 567
Campylium halleri (Hedw.) Lindb. fruiting in Britain, D. G. Long, 115
Campylopus and *Chorisodontium* from New Zealand, J. K. Bartlett and J.-P. Frahm, 365
C. arboricola Card. & Dix., 366
C. bicolor (C. Müll.) Wils., 366; var. *ericeticola* (C. Müll.) Dix., 366
C. clavatus (R. Brown) Wils., 369
C. flavoviridis Dus., 371
C. holomitrius (C. Müll.) Jaeg., 371
C. introflexus (Hedw.) Brid., 56, 371
C. kirkii Mitt., 371; var. *pilosus* Frahm, 376
C. kunkelii Bartr., 188
C. pallidus Hook. f. & Wils., 188
C. paludosus Frahm & Bartlett, 376
C. pyriformis (Schultz) Brid., 378; Taxonomy and world distribution of, M. F. V. Corley and J.-P. Frahm, 187; var. **hamatus* Frahm & Bartlett, var. nov., 378
Castaldo-Cobianchi, R., Giordano, S. and Cafiero, G., Studies on *Timmiella barbuloides* (Brid.) Moenk., IV, SEM and TEM characterization of spore wall and first germination stages, 273
Cephalozia bicuspidata, 279
Cephaloziella byssacea (A. Roth) Warnst., 435
C. exiliflora (Tayl.) Steph., chromosomes, 261
C. spinigera (Lindb.) Warnst., 435
Ceratodon purpureus, 56
Ceylon and India, Notes on mosses from, C. C. Townsend, 6, An illustrated key to *Distichophyllum* in Ceylon and S. India, 15; 7, Some species of *Trichostomum*, 559
Chauhan, E., *see* Lal, M.
Cheilolejeunea cedercreutzii (Buch & Perss.) Grolle, 440
**C. exinnovata* E. W. Jones, sp. nov., 37
Chlorophyll concentrations and a/b ratios in mosses collected from exposed and shaded habitats in Kansas, C. E. Martin and S. P. Churchill, 297
Chopra, R. N. and Kumra, P. K., Hormonal regulation of growth and antheridial production in three mosses grown *in vitro*, 491
Chopra, R. N., *see also* Dhingra, S.
Chopra, R. S., *see* Kumar, S. S.
Chorisodontium aciphyllum (Hook. f. & Wils.) Broth., 381
Chromosome evolution in the Brachytheciaceae, S. V. McAdam, 233
Chromosomes, moss, Numerical uniformity and structural variation of, M. E. Newton, 587
Chrysocladium phaeum (Mitt.) Fleisch., chromosomes, 489
Churchill, S. P., *see* Martin, C. E.
Clarke, G. C. S., Recent bryological literature, 123, 313, 517, 627
Cololejeunea, Two new species of, from peninsular India, R. Udar and G. Srivastava, 227
**C. dentifolia* Udar & Srivastava, sp. nov., 229
**C. pandei* Udar & Srivastava, sp. nov., 227
Corley, M. F. V. and Frahm, J.-P., Taxonomy and world distribution of *Campylopus pyriformis* (Schultz) Brid., 187
Corley, M. F. V. and Hill, M. O., *Distribution of bryophytes in the British Isles, A census catalogue of their occurrence in vice-counties*, review, 306
Courtice, G. R. M. and Cove, D. J., Mutants of the moss *Physcomitrella patens* which produce leaves of altered morphology, 595
Cove, D. J., *see* Courtice, G. R. M.
Cratoneuron filicinum (Hedw.) Spruce, chromosomes, 236
Crundwell, A. C.:
Pohlia scotica, a new species of moss from the Western Highlands of Scotland, 7
Review of *Flora of Southern Africa, Bryophyta, Part 1, Mosses, Fascicle 1, Sphagnaceae-Grimmiaceae* by R. E. Magill, 307
Review of *Moss flora of the Maritime Provinces* by R. R. Ireland, 623
Review of *Musci Austro-Americani* by W. Mitten, 623

Dalton, P. J., *see* Duncan, D.
Daniels, R. E., Isozyme variation in British

Daniels (*cont.*)
populations of *Sphagnum pulchrum* (Braithw.) Warnst., 65
De Zuttere, P., *see* Schumacker, R.
Dhingra, S. and Chopra, R. N., Protonemal gemmae in the moss *Trematodon brevicalyx* Dixon, 571
Dicranolejeunea gilva St., 576
D. yoshinagana (Hatt.) Mitt., 576
Distichophyllum ceylonicum (Mitt.) Par., 16
D. cuspidatum Doz. & Molk., 17
D. limpidum Thw. & Mitt., 15
D. madurense Thér. & Varde 16
D. mittenii Bosch. & Lac., 19
D. montagneanum (C. M.) Bosch. & Lac., 16
D. succulentum (Mitt.) Broth., 15
Driver, P. J., *Leptodontium gemmascens* in terrestrial habitats in south-east England, 113
Duncan, D. and Dalton, P. J., Recolonisation by bryophytes following fire, 53

Ellis, L. T. and Smith, A. C., *Barbula cylindrica* (Tayl.) Schimp. with rhizoidal tubers, 509
**Erpodium australiense* (Erpodiaceae), a new species of moss from Australia, I. G. Stone, 191
E. coronatum (Hook. & Wils.) Mitt., 191
Eurhynchium angustirete (Broth.) Kop., chromosomes, 237
E. meridionale (Br. Eur.) De Not., chromosomes, 237
E. praelongum (Hedw.) Br. Eur., chromosomes, 237
E. pulchellum var. *praecox* (Hedw.) Dix., chromosomes, 237
E. pumilum (Wils.) Schimp., chromosomes, 237
E. schleicheri (Hedw. f.) Milde, chromosomes, 237
E. speciosum (Brid.) Jur., chromosomes, 237
E. striatum (Hedw.) Schimp., chromosomes, 236
E. swartzii (Turn.) Curn., chromosomes, 237

Ferguson, P. and Lee, J. A., The growth of *Sphagnum* species in the southern Pennines, 579
Fire, 53
Fissidens gladiolus Mitt., 202
**F. gymnocarpus*, a new species from Queensland, Australia, I. G. Stone, 553
**F. traversii*, a new species from Queensland, Australia, I. G. Stone, 359
Flatberg, K. I, Typification of *Sphagnum capillifolium* (Ehrh.) Hedw., 503
Fontinalis, Appendaged calyptra development in, J. M. Glime, 567
Fontinalis, two species of, The comparative effects of ethylene and 1-aminocyclopropane-1-carboxylic acid on, J. M. Glime and F. Rohwer, 611
F. antipyretica, 569, 611
F. dalecarlica, 569
F. novae-angliae Sull., 569
F. squamosa, 567, 611
Foster, W. D., obituary, 120
Frahm, J.-P., The taxonomic status of *Neckera besseri* (Lob.) Jur. and *Homalia webbiana* Mont., 337
Frahm, J.-P., *see also* Bartlett, J. K. and Corley, M. F. V.
Frisvoll, A., The status of *Leptodontium norvegicum* Kaal., 185
Funaria hygrometrica, 56

Giordano, S., *see* Castaldo-Cobianchi, R.
Glime, J. M., Appendaged calyptra development in *Fontinalis*, 567
Glime, J. M. and Rohwer, F., The comparative effects of ethylene and 1-aminocyclopropane-1-carboxylic acid on two species of *Fontinalis*, 611
Grolle, R.:
Hepatics of Europe including the Azores, an annotated list of species, with synonyms from the recent literature, 403
Nomina genera Hepaticarum, review, 624
Grolle, R. und Schumacker, R., Zur Synonymik und Verbreitung von *Plagiochila spinulosa* (Dicks.) Dum. und *P. killarniensis* Pears., 215
Grubb, P. J., review of *The biology of mosses* by D. H. S. Richardson, 308
Gymnostomum, Anoectangium and *Molendoa*, Natural variation and diagnostic characters in, M. E. Newton, 343
G. aeruginosum Sm., 344
G. calcareum Nees & Hornsch., 345

Hepatics of Europe including the Azores, an annotated list of species with synonyms from the recent literature, R. Grolle, 403
Herzogobryum teres (Carringt. & Pears.) Grolle, chromosomes, 261
Hill, M. O.:
A reassessment of *Acaulon minus* (Hook. & Tayl.) Jaeg. in Britain, with remarks on the status of *A. mediterraneum* Limpr., 11

Review of *British mosses and liverworts*, ed. 3, by E. V. Watson, 311
Review of *Bryophyte ecology* ed. by A. J. E. Smith, 514
Hill, M. O., *see also* Corley, M. F. V. and Long, D. G.
Homalia besseri Lob., 339
H. webbiana Mont., 337
Homaliodendron obtusatum (Mitt.) Gang., chromosomes, 489
Homalothecium sericeum (Hedw.) Br. Eur., chromosomes, 237
Hormonal regulation of growth and antheridial production in three mosses grown *in vitro*, R. N. Chopra and P. K. Kumra, 491
Hulme, P. D. and Blyth, A. W., The annual growth period of some *Sphagnum* species on the Silver Flowe National Nature Reserve, south-west Scotland, 287
Hygrohypnum Lindb. sect. *Dilatatae* Szafr., Validation of, R. Ochyra, 619
Hypnodendron comosum, 56

Indian hepatics, 33, 227, 575
Indian mosses, 15, 150, 487, 559, 571
Ireland, R. R., *Moss flora of the Maritime Provinces*, review, 623
Isothecium striatulum (Spruce) Kindb., chromosomes, 237
Isozyme variation in British populations of *Sphagnum pulchrum* (Braithw.) Warnst., R. E. Daniels, 65

Jones, E. W.:
African hepatics, XXXIII, Some new Lejeuneaceae, 37
Review of *Atlas Nederlandse Levermossen* by J. Landwehr, 117
Review of *Nomina genera Hepaticarum* by R. Grolle, 624
Jonesiobryum (Musci), Two new species of, from the Brazilian cerrado regions, D. M. Vital, 383
**J. cerradense* Vital, sp. nov., 383
**J. termitarum* Vital, sp. nov., 389
Jungermannia sphaerocarpa Hook., 471

Kaur, G., *see* Lal, M.
Kumar, S. S. and Chopra, R. S., *Mosses of the Western Himalayas and adjacent plains*, review, 513
Kumar, S. S. and Verma, S. K., Cytological observations on some West Himalayan mosses, VII, 487
Kumra, P. K., *see* Chopra, R. N.
Kuta, E., *see* Ochyra, R.

Lal, M., Kaur, G. and Chauhan, E., An unusual archegonium with persistent ventral canal cell in *Physcomitrium cyathicarpum* Mitt. – an ultrastructural study, 293
Landwehr, J., *Atlas Nederlandse Levermossen*, review, 117
Leclerq, L., *see* Schumacker, R.
Lee, J. A., *see* Ferguson, P.
**Lejeunea ibadana* Harrington & Jones, sp. nov., 40
Leptodontium gemmascens in terrestrial habitats in south-east England, P. J. Driver, 113
L. norvegicum Kaal., The status of, A. A. Frisvoll, 185
Leucodon secundus (Harv.) Mitt., chromosomes, 487
Lobley, E. M., obituary, 119
Long, D. G.:
Axillary gemmae in *Anoectangium warburgii* Crundw. & Hill, 49
Bryoerythrophyllum caledonicum, a new moss from Scotland, 141
Campylium halleri (Hedw.) Lindb. fruiting in Britain, 115
Lophocolea semiteres (Lehm.) Mitt. established in Argyll, Scotland, 113
Paraleptodontium, a new genus of Pottiaceae, 179
Long, D. G. and Hill, M. O., *Tortula solmsii* (Schimp.) Limpr. in Devon and Cornwall, newly recorded in the British Isles, 159
Lophocolea bidentata (L.) Dum., 433
L. heterophylla, 279
L. semiteres (Lehm.) Mitt. established in Argyll, Scotland, D. G. Long, 113
**Lophozia* sect. *Hattoriella* (Inoue) Grolle, comb. nov., 429

McAdam, S. V., Chromosome evolution in the Brachytheciaceae, 233
Macromitrium himalayanum Mitt., chromosomes, 487
Magill, R. E., *Flora of southern Africa, Bryophyta, Part 1, Mosses, Fascicle 1, Sphagnaceae-Grimmiaceae*, review, 307
**Mannia* subgenus *Xeromannia* Grolle, subg. nov., 425
Marchantia alpestris (Nees) Burgeff, 425
M. berteroana, 56
Marsupella subg. *Hyalacme* (Lindb.) Lindb., 432
M. hungarica Boros & Vajda, 431
Martin, C. E. and Churchill, S. P., Chlorophyll concentrations and a/b ratios in mosses collected from exposed and shaded habitats in Kansas, 297

Mesochaete Lindb. (Rhizogoniaceae), A re-evaluation of the species of, I. G. Stone, 351
M. grandiretis Dix., 351
M. taxiforme (Hampe) Watts & Whitel., 351
M. undulata Lindb., 351
Mitten, W., *Musci Austro-Americani*, review, 623
Mitthyridium parvifolium (Bartr.) Robins., 213
M. samoanum (Schultze-Motel) Robins., 213
Moen, A. and Synnott, D., *Sphagnum subfulvum* Sjörs in Ireland compared with the occurrences in Norway, 331
Mohamed, M. A. H., *Bryum wightii* Mitt. and related species, 23
Molendoa sendtneriana (B.S.G.) Limpr., 347
M. tenuinervis Limpr., 347
**Muscoherzogia* Ochyra, nom. nov., 32
**M. pauperculata* (Thér. & Herz.) Ochyra, comb. nov., 32
Mutants of the moss *Physcomitrella patens* which produce leaves of altered morphology, G. R. M. Courtice and D. J. Cove, 595

Nanobryum dummeri Dix., 202
**N. thorsbornei*, a remarkable new moss from Australia, I. G. Stone, 199
Neckera besseri (Lob.) Jur. and *Homalia webbiana* Mont., The taxonomic status of, J.-P. Frahm, 337
N. laeviuscula Geh., 337
Newton, M. E.:
Natural variation and diagnostic characters in *Gymnostomum, Anoectangium* and *Molendoa*, 343
Numerical uniformity and structural variation of moss chromosomes, 587
Spore germination and sporeling development in *Jungermannia sphaerocarpa* Hook., 471
The identity of *Plagiothecium lucidulum* (Hook. f. et Wils.) Mitt., 617
Norfolk bryophytes today, E. L. Swann, 77
Nutrition of liverwort sporophytes, ^{14}C experiments on the, *Pellia epiphylla, Cephaloziella bicuspidata* and *Lophocolea heterophylla*, M. C. F. Proctor, 279

Ochyra, R.:
New names for genera of mosses, 31
Validation of *Hygrohypnum* Lindb. sect. *Dilatatae* Szafr., 619
Ochyra, R., Przywara, L. and Kuta, E., Karyological studies on some Antarctic liverworts, 259

Pachyglossa dissitifolia Herz. & Grolle, chromosomes, 261
**Paraleptodontium*, a new genus of Pottiaceae, D. G. Long, 179
**P. recurvifolium* (Tayl.) Long, comb. nov., 181
Pearman, M. A., obituary of W. D. Foster, 120
**Pellia* subgenus *Apopellia* Grolle, subg. nov., 427
P. epiphylla, 279; subsp. *borealis* (Lorbeer) Messe, 427
Philonotis fontana (Hedw.) Brid., chromosomes, 587
P. turneriana (Schwaegr.) Mitt., 491
Physcomitrella patens, 595
Physcomitrium cyathicarpum Mitt., An unusual archegonium with persistent ventral canal cell in, an ultrastructural study, M. Lal, G. Kaur and E. Chauhan, 293
**Pictus* C. C. Townsend, gen. nov., 1
**P. scoticus*, a new genus and species of pleurocarpous moss from Scotland, C. C. Townsend, 1
Plagiochila exigua (Tayl.) Tayl. 443
P. killarniensis Pears., 215
P. porelloides (Torrey ex Nees) Lindenb., 224
P. spinulosa (Dicks.) Dum. und *P. killarniensis* Pears., Zur Synonymik und Verbreitung von, R. Grolle und R. Schumacker, 215
Plagiothecium lucidulum (Hook. f. et Wils.) Mitt., The identity of, M. E. Newton, 617
**Pohlia scotica*, a new species of moss from the Western Highlands of Scotland, A. C. Crundwell, 7
Polytrichum juniperinum, 56
Proctor, M. C. F., ^{14}C experiments on the nutrition of liverwort sporophytes: *Pellia epiphylla, Cephalozia bicuspidata* and *Lophocolea heterophylla*, 279
Protonemal gemmae in the moss *Trematodon brevicalyx* Dixon, S. Dhingra and R. N. Chopra, 571
Przywara, L., *see* Ochyra, R.
Pseudoscleropodium purum in Newfoundland, Canada, G. R. Brassard, 618
Pterobryopsis orientalis (C. Muell.) Fleisch., chromosomes, 489
Ptychomnion aciculare, 56

Radula lindenbergiana Gott. ex. Hartm. f., 438

Recent bryological literature, 123, 313, 517, 627
Recolonisation by bryophytes following fire, D. Duncan and P. J. Dalton, 53
Reese, W. D. and Bartlett, J. K., *Syrrhopodon fimbriatulus* C. Müll., and the family Calymperaceae (Musci), new to New Zealand; and notes on Calymperaceae from the New Zealand Island Territories, 209
Rhynchostegiella teesdalei (Br. Eur.) Limpr., chromosomes, 237
Rhynchostegium confertum (Dicks.) Br. Eur., chromosomes, 236
R. megapolitanum (Web. & Mohr) Br. Eur., chromosomes, 236
R. murale (Hedw.) Br. Eur., chromosomes, 236
R. riparioides (Hedw.) C. Jens., chromosomes, 236
R. rotundifolium (Brid.) Br. Eur., chromosomes, 237
Rhytidiadelphus squarrosus (Hedw.) Warnst., chromosomes, 237
Richards, P. W., review of *Guide to the prices of antiquarian and secondhand books, Cryptogamic literature* ed. by L. Vogelenzang, 310
Richardson, D. H. S., *The biology of mosses*, review, 308
Riella sersuensis Trab., 441
Rohwer, F. *see* Glime, J. M.
Ruskin's moral bryology, J. D. Sleath, 535

Sayre, G., A. Thomas Taylor bibliography, 461
**Schiffneriolejeunea fragilis* Gradstein & Jones, sp. nov., 45
S. indica (St.) Udar & Awasthi, 576
Schumacker, R., De Zuttere, P. and Leclerq, L., *Anomodon rostratus* (Hedw.) Schimp. (Thuidiaceae), new for the Belgian bryoflora, in the south of the Ardenne massif (Rochehaut, prov. Luxembourg, Belgium), 171
Schumacker, R., *see also* Grolle, R.
Scorpiurium circinatum (Brid.) Fleisch. & Loeske, chromosomes, 237
Side, A. G., The occurrence of tubers on *Barbula tophacea* (Brid.) Mitt., 620
Sleath, J. D., John Ruskin's Moral Bryology, 535
Smith, A. C., *see* Ellis, L. T.
Smith, A. J. E., *Bryophyte ecology*, review, 514
Smith, A. J. E., *see also* Abderrahman, S. and Wallace, E. C.
Solmsiella ceylonica (Thwait. & Mitt.), chromosomes, 487
Sphagnum species, The annual growth period of some, on the Silver Flowe National Nature Reserve, south-west Scotland, P. D. Hulme and A. W. Blyth, 287
Sphagnum species, The growth of, in the southern Pennines, P. Ferguson and J. A. Lee, 579
S. capillifolium (Ehrh.) Hedw., 583; Typification of, K. Flatberg, 503
S. imbricatum, 583
S. magellanicum, 583
S. nemoreum Scop., 503
S. papillosum, 583
S. pulchrum (Braithw.) Warnst., 65
S. recurvum, 583
S. subfulvum Sjörs in Ireland compared with the occurrences in Norway, A. Moen and D. Synnott, 331
S. tenellum, 583
Spore germination and sporeling development in *Jungermannia sphaerocarpa* Hook., M. E. Newton, 471
Spores of some Ptychanthoideae (Lejeuneaceae), Scanning electron microscopy of some, R. Udar and U. S. Awasthi, 575
Spruceanthus marianus (Gott.) Mizut. in India, The status of, R. Udar and U. S. Awasthi, 33
S. semirepandus (Nees) Verd., 577
Srivastava, G., *see* Udar, R.
Stefureac, T. I., *Bucegia romanica* Radian in the Eastern Carpathians of Roumania, 510
Stone, I. G.:
A re-evaluation of the species of *Mesochaete* Lindb. (Rhizogoniaceae), 351
Buxbaumia in Australia, including one new species, *B. thorsborneae*, 541
Erpodium australiense (Erpodiaceae), a new species of moss from Australia, 191
Fissidens gymnocarpus, a new species from Queensland, Australia, 553
F. traversii, a new species from Queensland, Australia, 359
Nanobryum thorsbornei, a remarkable new moss from Australia, 199
The combination of *Pottia willisiana* Sainsb. in *Weissia*, 116
Swann, E. L., Norfolk bryophytes today, 77
Synnott, D., *see* Moen, A.
Syrrhopodon banksii C. Müll., 213
S. cairnensis Broth. & Wats., 212
S. fimbriatulus C. Müll., and the family Calymperaceae (Musci), new to New Zealand; and notes on Calymperaceae

from the New Zealand Island Territories, W. J. Reese and J. K. Bartlett, 209
S. mammillosus C. Müll, 212

Taylor, Thomas, bibliography, G. Sayre, 461
**Tetralophozia filiformis* (Steph.) *comb. nov.* in Europa, E. Urmi, 393
Thuidium tamariscinum (Hedw.) Br. Eur., chromosomes, 236
Timmiella barbuloides (Brid.) Moenk., Studies on, IV, SEM and TEM characterization of spore wall and first germination stages, R. Castaldo-Cobianchi, S. Giordano and G. Cafiero, 273
Tortula solmsii (Schimp.) Limpr. in Devon and Cornwall, newly recorded in the British Isles, D. G. Long and M. O. Hill, 159
Townsend, C. C.:
Notes on mosses from Ceylon and India, 6, An illustrated key to *Distichophyllum* in Ceylon and S. India, 15; 7, Some species of *Trichostomum*, 559
Pictus scoticus, a new genus and species of pleurocarpous moss from Scotland, 1
Review of *Mosses of the Western Himalayas and adjacent plains* by R. S. Chopra and S. S. Kumar, 513
Trachypodopsis serrulata (P. Beauv.) Fleisch., chromosomes, 489
Trematodon brevicalyx Dixon, 571
Trichostomum bombayense C. M., 559
T. cuspidatum (Doz. & Molk.) Doz. & Molk., 562
T. cylindrotheca (Mitt.) Broth., 561
T. orthodontum (C. M.) Broth., 562
T. stenophyllum (Mitt.) Broth., 563
T. tenuirostre (Hook. & Tayl.) Lindb., 562
**Tritomaria polymorpha* (Schust.) Grolle, comb. nov., 430

Udar, R. and Awasthi, U. S.:
Scanning electron microscopy of spores of some Ptychanthoideae (Lejeuneaceae), 575
The status of *Spruceanthus marianus* (Gott.) Mizut. in India, 33
Udar, R. and Srivastava, G., Two new species of *Cololejeunea* from peninsular India, 227
Urmi, E., *Tetralophozia filiformis* (Steph.) *comb. nov.* in Europa, 393

Valdiviella Thér. & Herz., 32
Verma, S. K., *see* Kumar, S. S.
Vital, D. M., Two new species of *Jonesiobryum* (Musci) from the Brazilian cerrado regions, 383
Vogelenzang, L., *Guide to the prices of antiquarian and secondhand books, Cryptogamic literature*, review, 310
Wallace, E. C. and Smith, A. J. E., obituary of E. M. Lobley, 119
Watson, E. V., *British mosses and liverworts*, ed. 3, review, 310
Weissia willisiana (Sainsb.) Catcheside, 116
Whitehouse, H. L. K., review of *Distribution of bryophytes in the British Isles, A census catalogue of their occurrence in vice-counties* by M. F. V. Corley and M. O. Hill, 306